AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

1. Paragraph on page 5 starting at line 4 and ending at line 19:

wherein R_1 and R_2 , and R_3 and R_4 taken together each independently comprise a substituted or unsubstituted cyclic or polycyclic aryl or heteroaromatic moiety; wherein m is 1, 2, or 3; wherein n is 0 or 1; wherein Z or Y each independently comprise CR_{27} , $-C(R)_{27}$, wherein each occurrence of the functional moiety R, is independently selected from the group consisting of hydrogen and methyl; NR, wherein R is selected from the group consisting of hydrogen and methyl; O; S; or Se; wherein X is a non-coordinating negative counter ion including, but not limited to BF₄, PF₆, ClO₄, TsO, I, Br; and wherein R₅ or R₆ each independently comprise lower alkyl, a chiral reagent (CR) or a chiral reagent and linker (L-CR), whereby said chiral reagent is attached to the detecting agent via the linker, with the proviso that at least one of R₅ or R₆ is a chiral reagent (CR) or a chiral reagent and linker (L-CR); and

wherein the chiral reagent (CR) for the first chiral detecting reagent (CDR) and for the second chiral detecting reagent (CDR) in a pair are enantiomers, and wherein each of said chiral detecting reagents in a set is capable of selectively reacting with one enantiomeric reaction product over the other enantiomeric reaction product in a sample of reaction products and is capable of being uniquely identified.

2. Paragraph on page 6 starting at line 4 and ending at line 14:

wherein R_1 and R_2 , and R_3 and R_4 taken together each independently comprise a substituted or unsubstituted cyclic or polycyclic aryl or heteroaromatic moiety; wherein m is 1, 2, or 3; wherein n is 0 or 1; wherein Z or Y each independently comprise CR_{27} , $C(R)_{27}$, wherein each occurrence of the functional moiety R, is independently selected from the group consisting of hydrogen and methyl; NR, wherein R is selected from the group consisting of hydrogen and methyl; O; S; or Se; wherein X is a non-coordinating negative counter ion including, but not limited to BF₄, PF₆, ClO₄, TsO, I, Br; and wherein R₅ or R₆ each independently comprise lower alkyl, a chiral reagent (CR) or a chiral reagent and linker (L-CR), whereby said chiral reagent is attached to the detecting agent via the linker, with the proviso that at least one of R₅ or R₆ is a chiral reagent (CR) or a chiral reagent and linker (L-CR).

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3. Paragraph on page 7 starting at line 5 and ending at line 20:

wherein R_1 and R_2 , and R_3 and R_4 taken together each independently comprise a substituted or unsubstituted cyclic or polycyclic aryl or heteroaromatic moiety; wherein m is 1, 2, or 3; wherein n is 0 or 1; wherein Z or Y each independently comprise CR_{27} , $C(R)_{27}$, wherein each occurrence of the functional moiety R, is independently selected from the group consisting of hydrogen and methyl; NR, wherein R is selected from the group consisting of hydrogen and methyl; O; S; or Se; wherein X is a non-coordinating negative counter ion including, but not limited to BF₄, PF₆, ClO₄, TsO, I, Br; and wherein R₅ or R₆ each independently comprise lower alkyl, a chiral reagent (CR) or a chiral reagent and linker (L-CR), whereby said chiral reagent is attached to the detecting agent via the linker, with the proviso that at least one of R₅ or R₆ is a chiral reagent (CR) or a chiral reagent and linker (L-CR); and

wherein the chiral reagent (CR) for the first chiral detecting reagent (CDR) and for the second chiral detecting reagent (CDR) in a pair are enantiomers, and wherein each of said chiral detecting reagents is capable of selectively reacting with one enantiomeric reaction product over the other enantiomeric reaction product in a pair and is capable of being uniquely identified.

4. Paragraph on page 23 starting at line 6 and ending at line 23:

wherein R_1 and R_2 , and R_3 and R_4 taken together each independently comprise a substituted or unsubstituted cyclic or polycyclic aryl or heteroaromatic moiety; wherein m is 1, 2, or 3; wherein n is 0 or 1; wherein Z or Y each independently comprise CR_{25} - $C(R)_{2^-}$, wherein each occurrence of the functional moiety R is independently selected from the group consisting of hydrogen and methyl; NR, wherein R is selected from the group consisting of hydrogen and methyl; O; S; or Se; wherein X is a non-coordinating negative counter ion including, but not limited to BF₄, PF₆, ClO₄, TsO, I, Br; and wherein R₅ or R₆ each independently comprise lower alkyl, a chiral reagent (CR) or a chiral reagent and linker (L-CR), whereby said chiral reagent is attached to the detecting agent via the linker. In certain embodiments, the linker moiety comprises -(CH)_p-(CO)-, wherein p is 1-5, most preferably 4, and the chiral agent comprises a chiral acylating agent, as described in certain embodiments herein. In certain embodiments, the chiral agent comprises a chiral acylating agent having the general structure: -(NH)-(CHR_x)-COOH, where R_x comprises a chiral amino acid residue. In certain other embodiments of the present invention, the chiral reagent (CR) or the chiral reagent and linker (L-CR) can be attached

at any one of R_1 - R_6 , or as substitutions of other moieties thereof attached at R_1 - R_6 (e.g, the chiral reagent or chiral reagent and linker can be attached via an aryl moiety or other functional group) group).

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